

creeks

Location: naturalresources\creeks.shp

Description

Freshwater creeks (or streams) in Bay County, as arc features. Formerly part of the **water** layer.

For freshwater lakes, see **lakes**.

For saltwater and county boundary polygons, see **countygulf**.

For saltwater, see **saltwater**.

Coordinate system: State Plane, Florida North Zone, Datum NAD83, feet (see **.prj** file)

Source

This layer was created from the **water** layer, part of original base map of Bay County. Original **water** source follows: Camp Dresser & McKee Inc. (GIS consultant for Bay County) was contracted in 1995 by Bay County to provide aerial photography and develop a base map from the photos for all of Bay County. Camp Dresser & McKee Inc. (CDM), in turn, contracted with Aerial Cartographics of America to perform the aerial photography and base map creation. Black and white (1:3000 scale) aerial photography was obtained during the 1995 spring flying season. The aerial photography had an average of 60% forward overlap consisting of approximately eleven flight lines flown north to south. Stereo photographic coverage was obtained for the entire county. The aerial photography was obtained under the direct supervision of a photogrammetrist certified by the American Society of Photogrammetry and Remote Sensing. A set of 9' x 9" photographic prints and diapositives were produced for map production purposes. Twelve GPS horizontal ground control points within the county were obtained; the control point locations are photo identifiable points accessible using a two wheel drive vehicle. The horizontal GPS ground control points were established to an accuracy of second order class II control. All survey work was performed under the direct supervision of a Land Surveyor licensed in the State of Florida. Approximately 140 stereo photographic models were used to create the base map features. The base map compilation consisted of centerline of roadways, centerline of railways, edge of standing water bodies, rivers, streams and major transmission lines. CDM guaranteed the photogrammetric GIS base map shall be on the NAD 83 datum with 90% of the well defined planimetric features located within 5 feet of their true horizontal location and the remaining 10% not in error of more than 10 feet. The final base map digital files were edited and delivered to Bay County in AutoCAD release 12 DWG file format on September 1996 (on CD-ROM). The AutoCAD .dwg files were converted to ESRI coverages on February 1998 using ArcCAD.

In July 2002, the original **water** coverage was edited to eliminate some node errors, including connecting creeks that were broken at road crossings. For arcs that were broken at non-road crossings, 1999 aerials were used to determine whether the arcs should be connected. In addition, two areas were fixed; River Lake was closed to create a polygon and Callaway Bayou missing parts were added using **parcels** as a base. The **water** coverage had a field named **feature** with the following values: lake, creek, and shoreline.

In August 2002, Bay County GIS staff selected arcs in the **water** cover with **feature** = creek and saved them as a **creeks** cover. The **feature** field was dropped and the cover was exported to shapefile **creeks.shp**.

In February 2004, Bay County GIS staff updated South Fork Bear Creek, based on maps from Bay County Watershed Specialist, on the **soils** layer, and on 2003 **aerials**. Two tributaries were added. The mouth was extended to Bear Creek. An **update** field was added. On May 6, 2004, Bay County GIS extended a tributary of South Fork Bear Creek, per Bay County Watershed Specialist and USGS topo. Some arcs in that area were flipped to match direction of water flow.

On May 13, 2004, Bay County GIS staff added some missing creeks per the **water** layer, using ArcMap. The missing creeks were in the area of Harrison Bayou, Newman Bayou, Haven Pt, and St. Andrew Sound. Some nearby arcs were flipped as necessary. (For more details, see **creeks.dls**)

Not all arcs in this data match the direction of water flow. Only a few have been checked and flipped.

This data is provided with the understanding that the conclusions drawn from such information are solely the responsibilities of the user. The GIS data is not a legal representation of the features depicted, and any assumption of the legal status of this data is hereby disclaimed. Errors or omissions should be reported to the Bay County GIS Division 850-784-6171.

Attribute Table Structure

Item Name	Width	Output	Type	Decimals
name	50	50	C	-
update	8	8	I	0

Attributes

name

Name of creek. USGS quadrangles and the 1994 MAPSource Street Atlas of Bay County were used as sources.

update

Date of update after 2002 in YYYYmmDD year-month-day format, e.g. 20040506 (which means May 6, 2004)